

PHCC Pro Series Primary Pumps

All PHCC Pro Series primary pumps feature high performance, high efficiency PSC permanent split capacitor motors, which use fewer amps than most sump pumps. Fewer amps means less electricity used, reducing homeowners' costs and reducing CO2 emissions that pollute our air.

And when backing that up with the introduction of Gallons per Hour (GPH) ratings, simply stated GPH calculations show many gallons of water are pumped using one watt of electricity. With this new calculation, PHCC Pro Series pumps are blowing other pumps out of the water - with most models pumping 3 times more water using the same amount of electricity!

Our full line of PHCC Pro Series AC pumps are built to run continuously 24 hours a day seven days a week, 365 days a year. They're strong and dependable, and when they are used intermittently in a sump application, it extends the life of the pump. We back this up by offering 1 to 3 year, 3 year and 5 year warranties when the pumps are used in unobstructed applications. A one year warranty is available when used in continuous duty applications such as fountains or ponds. All pumps are 115V/60Hz.

- Efficient permanent split capacitor motor (PSC)
- Double or triple seals depending on model
- Upper and lower ball bearings
- Water-cooled
- Thermally protected
- Removable strainer
- 20' power cords (10' on ST Series, S3033 and E7 Series)
- Dynamically balanced cast iron impeller (S3100, S5 Series and E7 Series)
- Engineered polymer (ST Series), Fiber polycarbonate impeller (S3033 & S3050)
- Stainless steel fasteners won't rust



Sump Pumps



Features	ST1000 NS	ST1000	S3033	S3050	S3100	S3033	S3050	E7040	E7055
Max Flow (GPH)	1200	1200	1200	1200	1200	1200	1200	1200	1200
GPM @ 10'	48.3	48.3	30	48	30	59	48	26	30
GPM @ 15'	27.0	32.0	30.0	35.0	35.0	49.0	44.0	24.0	28.0
GPM @ 20'	18.3	21.0	21.0	24.0	24.0	33.0	28.0	15.0	18.0
Max Head (ft)	10'	10'	10'	12'	12'	16'	16'	12'	12'
Discharge (in)	1 1/2"	2"	1 1/2"	2"	2"	1 1/2"	2"	2"	2"
Max Amp (amps)	1.8	4.0	4.0	4.3	11.5	4.0	4.8	6.3	7.0
Warranty	1 yr	2 yr	2 yr	2 yr	2 yr	3 yr	3 yr	3 yr	5 yr

Energy efficient:
The PHCC Pro Series pumps use substantially fewer amps than pumps from other manufacturers. That means they are considerably less expensive for a homeowner to operate. The savings can be even greater when using a PHCC Pro Series S3033 1/3 HP sump pump is \$55.41 per year.*

*Based on an average pump run time of five minutes per hour for one year (2003) with a usage of 10'. The estimated industry average is 3.5 amps. Average electric cost per kilowatt hour is \$0.12.

All specifications updated as of 4/2012

Industrial Grade for the Residential Market

It's All About the Switch

Until now there have been three varieties of float switches: Vertical - Tethered - Pressure. Unfortunately all three of these switches are subject to various forms of failure.

PHCC Pro Series has eliminated these potential failures with two types of float / sensor technologies, the Ultimate Sensor and the Dual Micro Reed Float Switch. With either of these technologies you are protected.

- Ultimate Sensor**
- No moving parts
 - Imbedded computer monitors any material buildup on sensor rod and keeps on working
 - Designed for use in sump and sewage pits
 - Reliable, proven and patented technology used in many industries
 - Sensors water level regardless of how fast or slow the sump gets fills
 - Sensor can be unplugged from controller for easy installation, activation level is adjustable
 - 316 grade stainless steel sensor rod will not corrode
 - Mounts to discharge pipe with included hardware

- Dual Float Switch**
- Two micro reed activated floats for added reliability
 - Protector cage prevents debris from interfering with floats
 - Dual Float Switch can be unplugged from controller for easy installation (DFC2), activation level is adjustable
 - Mounts to discharge pipe with included hardware



Ultimate Controller (USC3) and Deluxe Controller (DFC2)

The Ultimate and Deluxe controllers both monitor pump and power conditions and sound an alarm when problems are detected. The Ultimate Controller (USC3) includes the Ultimate Sensor while the Deluxe Controller (DFC2) includes the Dual Float Switch.



- Ultimate and Deluxe Controllers**
- Sound an alarm and alerts when:
 - AC power has failed
 - Pump or float problem is detected
 - By battery is low or slide switch is off
 - Include export terminals for connecting to a remote dialer or home security system
 - Adjustable run time from 5-45 seconds after the water level falls below the sensor or the float drops
 - Activates pump weekly to exercise, extending pump life

Ultimate Controller Adds...

- Taptic technology for high cycle applications

Standard Controller (DFC1)

Activates the pump when water rises either float. Once float returns to original position the pump runs for an additional 10 seconds to completely empty the sump pit.

Switches and sensors may be purchased separately for use with other brands of pumps (up to 12 Amps)

You now have the flexibility to order any pump with any switch or sensor

Option 1

Order a pump and a switch or sensor as separate items. That's order any pump with any switch or sensor.	Then, order any switch or sensor.
ST1000 NS	S3033 NS
ST1000 NS	S3050 NS
S3033 NS	E7040 NS
S3050 NS	E7055 NS
S3100 NS	

Option 2

Order as a pre-packaged system

- Order any pump with any switch or sensor already packaged in a single carton, ready for shipping. To order a S3033 pump with a DFC2 controller, the part number is S3033 DFC2.

Good, Better, Best

Our philosophy is to provide a variety of primary, battery backup, combination systems and controllers that offer different features and price points to meet the needs of our customers. This Good, Better, Best selection gives you the ultimate in flexibility and choice.

	Good	Better	Best
Primary Pumps	ST Series	S3 Series	E7 Series
Battery Backups	PHCC 1000	PHCC 1750	PHCC 2420
Combination Systems	PS-C11	PS-C22	PS-C33
Controllers	DFC1	DFC2	USC3

Available at

Designed for the professional contractor.

No AC sump pump will work when the AC power has failed. For added protection and peace of mind, install a battery backup system, as well as an AC pump. The PHCC Pro Series backup systems have unique monitoring capabilities that sound an alarm when maintenance is needed, or when a problem arises. After all, a backup system with a dead battery, loose cables, or a clogged pump is like having no backup at all. The PHCC Pro Series backup pumps monitor all these functions and remind the homeowner when attention is needed. Easy to follow instructions are found on the front panel of the controllers to make the proper adjustments.

Which one is right for you?
Consider pumping capacity, charger strength, monitoring features and pump runtime.



Features	2400	1730	1000
POWERFUL			
Pumping capacity (in gallons per hour @ 10-ft. height)	2400 GPH	1730 GPH	1000 GPH
Pumping capacity (in gallons per hour @ 0-ft. height)	4000 GPH	2500 GPH	2000 GPH
EFFICIENT			
Charger strength (the higher the amps, the faster it will recharge the battery)	13 amps	3.6 amps	4 amps
Caged float switch provides added protection	-	-	-
System pumps intermittently for days	-	-	-
AUTOMATIC			
Switches automatically to battery power when AC power fails	-	-	-
Pumps automatically when water volume exceeds the capacity of the main AC pump	-	-	-
Runs pump weekly to test for proper operation	-	-	-
VERSATILE			
Pumps on AC power as well as battery power	-	-	-
Designed for use with maintenance or maintenance free batteries	-	-	-
Output terminal to connect to a home security system, auto halter or other device	-	-	-
USER-FRIENDLY			
Detects irregularities, sounds an alarm, and pinpoints	-	-	-

PHCC Pro Series backup pumps protect against:

- Power outages
- Float switch failures
- Main pump failures
- Excessive inflow of water

All PHCC Pro Series backup pumps offer:

- Automatic operation and charging
- Monitoring of battery and pump conditions
- Monitoring of the battery fluid level
- Adjustable dual float switch

Easy to install:

The compact pump fits beside the AC pump in wide sump pits, or stacks above the AC pump in narrow pits.

Adjustable float switch with two floats provides added reliability.
Battery fluid sensor sends a signal to the controller when the battery needs water.



The PHCC Pro Series, Pair of Pumps combination systems, offers total peace of mind by coupling our energy efficient primary pump and battery backup pump into one compact system. There is no better protection for the homeowner as the primary pump will operate as long as it is receiving AC power. If the power is interrupted, or more water is coming into the sump than the AC pump can handle, the backup pump will begin pumping automatically offering ultimate security.

- Available in 3 progressively larger sizes.
- Model # PS-C33 - BEST Combination includes the S3023 primary pump, DFC1 Dual Float with Controller and the PHCC 2400 backup pump system.
 - Model # PS-C22 - BETTER Combination includes the S11033 primary pump, DFC1 Dual Float with Controller and the PHCC1730 backup pump system.
 - Model # PS-C11 - GOOD Combination includes the S11033 primary pump, DFC1 Dual Float with Controller and the PHCC1000 backup pump system.

Features	PS-C33	PS-C22	PS-C11
Model #	PHCC-2400	S3023	PHCC-1000
GPM @ 10'	40	50	28.8
GPM @ 15'	26.0	33.0	17.9
G/Min @ 10'	N/A	6.3	N/A
Amper @ 10'	14.0DC	4.0	10.0DC
Wt. (lbs.)	43.96	12.26	28.56

Water Alarm

Minimize the risk of water damage with a PHCC Pro Series Water Alarm. Accidents happen... water heaters rust and leak, laundry tubs overflow, pipes break. You can detect leaks before they become bigger problems by placing a water alarm wherever there is a risk of water damage... in the utility room, laundry room, kitchen, bathroom or basement. The alarm will sound when as little as 1/32" of water reaches the sensor. Includes 6' of sensor wire for remote monitoring. Wire can be extended to over 100'.

Pro Series Standby Batteries

Why should you use a PHCC Pro Series battery? These matching standby batteries are designed to:
• Run the pump longer... for more hours per charge
• Last longer in standby operation**
• Accommodate the lattery fluid sensor**

Klunkless™ Check Valve

Eliminate the loud "clunk" heard when the pump shuts off. Universal fit for 1 1/4" and 1 1/2" pipe.

Pumping Time	8-200P	8-100P	8-2-50P	8-1-20P
PHCC-2400	100 Hours**	Not recommended	50 Hours**	60 Hours**
PHCC-1730	60 Hours**	Not recommended	30 Hours**	40 Hours**
PHCC-1000	100 Hours**	Not recommended	50 Hours**	60 Hours**

**Matching batteries last for the pumps intermittently for days.

Key features:

- Already assembled for easy installation
- Compact footprint fits neatly into most sump pits
- Dual float switches provide dependable activation for each pump
- Unique monitoring controller sounds an alarm if maintenance is needed
- Includes 2 check valves and appropriate PVC pipe
- Includes battery box (battery sold separately)
- Includes the Sump Foot - an elevated platform to keep pumps out of pit debris
- 3-year warranty



PRO SERIES PUMPS ... Exceeding Expectations



- Energy Efficient AC Pumps
- Battery Backup Sump Pumps
- Combination Pumps
- Sewage Pumps
- Innovative Switch Technologies
- Water Alarm Batteries

The Boss Eliminator

- 1/3 HP.
- Operates on 3.8 amps @ 10' head.
- Saves an average of \$57.00 per year.
- Evacuates 2770 gallons per hour @ 10' head.
- Piggy-back dual float switch.
- Protective cage for float switch.
- Cast iron/cast aluminum construction.
- Split capacitor motor & dual ball bearings.
- Water cooled.
- Continuous duty rated.
- Installs into a 10" diameter pit.
- 3 year manufacture warranty.



*Dual back-up float protection in case of primary float failure.

*Protective cage prevents debris or wires from interfering with float operation.

*Solid top keeps out sand and dirt.

*Vented, concave bottom prevents debris build up under the float.



*Controller... activates pump weekly, to exercise and extend pump life. Adjustable run time. Alarms & alerts when AC power has failed, detects float problem, 9v battery low, can connect to home security or remote dialer.

The Boss Enforcer

- Efficient battery recharge 1.6 amps.
- Evacuates 1730 gallons per hour @ 10' head.
- Pumps intermittently for days.
- Automatic operation & monitoring.
- Monitors battery & pump conditions.
- Monitors battery fluid levels.
- Dual float switch.
- Automatically tests pump weekly.
- Alarm can be silenced during power outages.
- 3 year manufacturer warranty.



Sounds an alarm when it detects irregularities and solutions on the control panel.

Save When You Purchase...

The Boss Alliance Combo!



Heavy Duty Quiet Check Valves



- Available in white or clear.
- 1/2 lb. spring loaded internal flapper ensures quiet operation.
- Minimizes "Thump" when pump stops.
- Easy view flapper action so you can see valve working with the "Clear" valve.

**We're light years
ahead of the
competition!**

With sky-rocketing electricity rates, Basement Boss has you covered with energy efficient primary sump pumps and battery back-up pumps. Our "Boss Force" line of pumps, boasts state-of-the-art technology, providing our clients with self monitoring, self-cycling systems, for worry-free use and care.



Energy Efficient

**THE FORCE
IS STRONG
WITH THESE
PUMPS!**



Grubb & Gutscher
Authorized Basement Boss Dealer

**519.799.5211
1.888.799.5211**

**grubbgutscher@wightman.ca
www.basement-boss.ca**

**WHEN THE DARK FORCES
OF NATURE STRIKE...**

**YOU CAN COUNT ON
THE BOSS FORCE TO BE
WITH YOU!**

**MAY THE
BOSS
FORCE
BE WITH
YOU**



Grubb & Gutscher
Authorized Basement Boss Dealer